

## Model #: N424-05M

### Mode Conditioning Fiber Optics - 5-meter (16-ft.) Mode Conditioning Patch Cable, LC/SC

#### Highlights

- 5 Meter LC/SC Mode Conditioning Cable
- Run 1000Base-LX Gigabit Ethernet over MMF by offsetting signal loss
- IEEE 802.3z Gigabit Ethernet Compliant



#### Description

Tripp Lites Mode Conditioning Cables are designed for use in Gigabit Ethernet 1000BASE-LX applications. They are fully compliant with IEEE 802.3z application standards. Mode Conditioning Cables are needed in applications where new high-speed Gigabit 1000BASE-LX routers and switches are being deployed into existing multimode plants. The need for this patch cord is due to the single-mode launch nature of the -LX or long-wave (1300 nm) transceiver modules used for Gigabit Ethernet. Launching a single-mode laser into the center of a multimode fiber can cause multiple signals to be generated that confuses the receiver at the other end of the fiber. These multiple signals, caused by Differential Mode Delay (DMD) effects, severely limit the cable distance lengths for operating Gigabit Ethernet. A mode conditioning patch cord eliminates these multiple signals by allowing the single-mode launch to be offset away from the center of a multimode fiber.

#### Applications

- Use when connecting a LX type fiber transceiver ( Singlemode light ) to a Multimode backbone

#### Package Includes

- 5 Meter LC/SC Mode Conditioning Cable

#### Features

- Use Singlemode Transceivers on Multimode Fiber Backbones
- Offsets the Singlemode Laser launch from the center of a Multimode fiber
- Available in a variety of connector combinations
- Lifetime Warranty

#### Specifications

General Info	
RoHS	Y
PHYSICAL	
Color	Orange/Yellow
CONNECTIONS	
Connector A	LC

Connector B	SC
Number of Connectors	4
<b>Overview</b>	
Length	5 m

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/products/model.cfm?txtModelID=3518](http://www.tripplite.com/products/model.cfm?txtModelID=3518).

---

©2008 Tripp Lite. All Rights Reserved.